FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Calumet San Antonio Refining, LLC

AUTHORIZING THE OPERATION OF
San Antonio Refinery
Calumet San Antonio Refinery
Petroleum Refineries

LOCATED AT
Bexar County, Texas
Latitude 29° 20' 54" Longitude 98° 27' 36"
Regulated Entity Number: RN101485183

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: O3534 Issuance Date: September 10, 2015

For the Commission

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General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions:

Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:

    A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.

    B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

    C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

    D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

E. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.

2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):

A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements

B. Title 30 TAC § 101.3 (relating to Circumvention)

C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ

D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ

E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)

F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)

G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)

H. Title 30 TAC § 101.221 (relating to Operational Requirements)

I. Title 30 TAC § 101.222 (relating to Demonstrations)

J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)

3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:

A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1 , shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:

(i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(1)(E)

(iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)

(iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive

ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the "Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

(1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.

(2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.

(3) Records of all observations shall be maintained.

(4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity

requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

(c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. For visible emissions from a building, enclosed facility, or other structure; the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)

(iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

(1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.

(2) Records of all observations shall be maintained.

(3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to

condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A)

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

C. For visible emissions from all other sources not specified in 30 TAC § 111.111(a)(1), (4), or (7); the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)

(iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

(1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.

(2) Records of all observations shall be maintained.

(3) Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's

eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

D. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:

(i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)

(ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)

(iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)

4. For storage vessels maintaining working pressure as specified in 30 TAC Chapter 115, Subchapter B, Division 1: "Storage of Volatile Organic Compounds," the permit holder shall comply with the requirements of 30 TAC § 115.112(c)(1).

5. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:

A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)

B. Title 40 CFR § 60.8 (relating to Performance Tests)

C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)

D. Title 40 CFR § 60.12 (relating to Circumvention)

E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)

F. Title 40 CFR § 60.14 (relating to Modification)

G. Title 40 CFR § 60.15 (relating to Reconstruction)

H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)

6. For petroleum refinery facilities subject to 40 CFR Part 60, Subpart QQQ, the permit holder shall comply with the following requirements:

A. Title 40 CFR § 60.692-1(a) - (c) (relating to Standards: General)

B. Title 40 CFR § 60.692-2(a) - (c), (e) (relating to Standards: Individual Drain Systems)

C. Title 40 CFR § 60.692-2(d) (relating to Standards: Individual Drain Systems)

D. Title 40 CFR § 60.692-6(a) - (b) (relating to Standards: Delay of Repair)

E. Title 40 CFR § 60.692-7(a) - (b) (relating to Standards: Delay of Compliance)

F. Title 40 CFR § 60.693-1(a) - (d), (e)(1) - (3) (relating to Alternative Standards for Individual Drain Systems)

G. Title 40 CFR § 60.697(a), (b)(1) - (3) (relating to Recordkeeping Requirements), as applicable to Individual Drain Systems

H. Title 40 CFR § 60.697(f)(1) - (2), (g) (relating to Recordkeeping Requirements), as applicable to Individual Drain Systems

I. Title 40 CFR § 60.697(h) (relating to Recordkeeping Requirements), as applicable to excluded Stormwater Sewer Systems

J. Title 40 CFR § 60.697(i) (relating to Recordkeeping Requirements), as applicable to excluded Ancillary Equipment

K. Title 40 CFR § 60.697(j) (relating to Recordkeeping Requirements), as applicable to excluded Non-contact Cooling Water Systems

L. Title 40 CFR § 60.698(a), and (b)(1) (relating to Reporting Requirements), as applicable to Individual Drain Systems

M. Title 40 CFR § 60.698(c) (relating to Reporting Requirements), for water seal breaches in Drain Systems

N. Title 40 CFR § 60.698(e) (relating to Reporting Requirements), as applicable to Individual Drain Systems

7. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 61, unless otherwise stated in the applicable subpart:

A. Title 40 CFR § 61.05 (relating to Prohibited Activities)

B. Title 40 CFR § 61.07 (relating to Application for Approval of Construction or Modification)

C. Title 40 CFR § 61.09 (relating to Notification of Start-up)

D. Title 40 CFR § 61.10 (relating to Source Reporting and Request Waiver)

E. Title 40 CFR § 61.12 (relating to Compliance with Standards and Maintenance Requirements)

F. Title 40 CFR § 61.13 (relating to Emissions Tests and Waiver of Emission Tests)

G. Title 40 CFR § 61.14 (relating to Monitoring Requirements)

H. Title 40 CFR § 61.15 (relating to Modification)

I. Title 40 CFR § 61.19 (relating to Circumvention)

8. For facilities where total annual benzene quantity from waste is less than 1 megagram per year and subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:

A. Title 40 CFR § 61.355(a)(1)(iii), (a)(2), (a)(5)(i) - (ii), (a)(6), (b), and (c)(1) - (3) (relating to Test Methods, Procedures, and Compliance Provisions), for calculation procedures

B. Title 40 CFR § 61.356(a) (relating to Recordkeeping Requirements)

C. Title 40 CFR § 61.356(b), and (b)(1) (relating to Recordkeeping Requirements)

D. Title 40 CFR § 61.357(a), and (b) (relating to Reporting Requirements)

9. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

Additional Monitoring Requirements

10. The permit holder shall comply with the periodic monitoring requirements as specified in the attached “Periodic Monitoring Summary” upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the “Periodic Monitoring Summary,” for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

11. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard

permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:

A. Are incorporated by reference into this permit as applicable requirements

B. Shall be located with this operating permit

C. Are not eligible for a permit shield

12. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.

13. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

14. The permit holder shall comply with the following requirements for Air Quality Standard Permits:

A. Registration requirements listed in 30 TAC § 116.611, unless otherwise provided for in an Air Quality Standard Permit

B. General Conditions listed in 30 TAC § 116.615, unless otherwise provided for in an Air Quality Standard Permit

C. Requirements of the non-rule Air Quality Standard Permit for Pollution Control Projects

Compliance Requirements

15. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.

16. The permit holder shall adhere to the provisions in the Compliance Schedule attachment of this permit and submit certified progress reports consistent with the schedule established under 30 TAC § 122.132(e)(4)(C) and including the information specified in 30 TAC § 122.142(e)(2). Those emission units listed in the Compliance Schedule attachment shall adhere with the requirements in the Compliance Schedule attachment until operating fully in compliance with the applicable requirements.

17. Use of Discrete Emission Credits to comply with the applicable requirements:

A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:

(i) Title 30 TAC Chapter 115

(ii) Title 30 TAC Chapter 117

(iii) If applicable, offsets for Title 30 TAC Chapter 116

(iv) Temporarily exceed state NSR permit allowables

B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:

(i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)

(ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4

(iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

(iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

(v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Risk Management Plan

18. For processes subject to 40 CFR Part 68 and specified in 40 CFR § 68.10, the permit holder shall comply with the requirements of the Accidental Release Prevention Provisions in 40 CFR Part 68. The permit holder shall submit to the appropriate agency either a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR § 68.10(a), or as part of the compliance certification submitted under this permit, a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of a risk management plan.

Temporary Fuel Shortages (30 TAC § 112.15)

19. The permit holder shall comply with the following 30 TAC Chapter 112 requirements:

A. Title 30 TAC § 112.15 (relating to Temporary Fuel Shortage Plan Filing Requirements)

B. Title 30 TAC § 112.16(a), (a)(1), and (a)(2)(B) - (C) (relating to Temporary Fuel Shortage Plan Operating Requirements)

C. Title 30 TAC § 112.17 (relating to Temporary Fuel Shortage Plan Notification Procedures)

D. Title 30 TAC § 112.18 (relating to Temporary Fuel Shortage Plan Reporting Requirements)

Alternative Requirements

20. The permit holder shall comply with the approved alternative means of control (AMOC); alternative monitoring, recordkeeping, or reporting requirements; or requirements determined to be equivalent to an otherwise applicable requirement contained in the Alternative Requirements attachment of this permit. Units complying with an approved alternative requirement have reference to the approval in the Applicable Requirements summary listing for the unit. The permit holder shall maintain the original documentation, from the EPA Administrator, demonstrating the method or limitation utilized. Documentation shall be maintained and made available in accordance with 30 TAC § 122.144.

Permit Location

21. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit at Calumet San Antonio Refinery, LLC, San Antonio Refinery located at 1 BDA Crossing, Suite 100, Brooks City-Base, Texas 78235.

Permit Shield (30 TAC § 122.148)

22. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Schedules

Alternative Requirement

Applicable Requirements Summary

Unit Summary **14**

Applicable Requirements Summary **22**

Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
100-TK-11	STORAGE TANKS/VESSELS	N/A	60QQQ-05	40 CFR Part 60, Subpart QQQ	No changing attributes.
900-B-4	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-01	40 CFR Part 60, Subpart Dc	D-Series Fuel Type = Natural gas., 30% Coal Duct Burner = The facility does not combust coal in a duct burner as part of a combined cycle system; or more than 30% of the heat is from combustion of coal and less than 70% is from exhaust gases entering the duct burner.
900-B-4	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-02	40 CFR Part 60, Subpart Dc	D-Series Fuel Type = Natural gas., D-Series Fuel Type = Other fuel., 30% Coal Duct Burner = The facility does not combust coal in a duct burner as part of a combined cycle system; or more than 30% of the heat is from combustion of coal and less than 70% is from exhaust gases entering the duct burner.
900-B-4	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-03	40 CFR Part 60, Subpart Dc	D-Series Fuel Type = Other fuel.
900-B-4	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-01	40 CFR Part 60, Subpart J	No changing attributes.
900-V-20	CLOSED VENT SYSTEM AND CONTROL DEVICE	N/A	60QQQ-04	40 CFR Part 60, Subpart QQQ	No changing attributes.
API SEP	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	N/A	60QQQ-01	40 CFR Part 60, Subpart QQQ	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
F-11	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-01	40 CFR Part 60, Subpart Dc	D-Series Fuel Type = Natural gas.
F-11	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-02	40 CFR Part 60, Subpart Dc	D-Series Fuel Type = Natural gas., D-Series Fuel Type = Other fuel.
F-11	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-03	40 CFR Part 60, Subpart Dc	D-Series Fuel Type = Other fuel.
F-12	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-04	40 CFR Part 60, Subpart Dc	D-Series Fuel Type = Natural gas.
F-12	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-05	40 CFR Part 60, Subpart Dc	D-Series Fuel Type = Natural gas., D-Series Fuel Type = Other fuel.
F-12	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-06	40 CFR Part 60, Subpart Dc	D-Series Fuel Type = Other fuel.
F-13	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-01	40 CFR Part 60, Subpart Dc	D-Series Fuel Type = Natural gas.
F-13	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-02	40 CFR Part 60, Subpart Dc	D-Series Fuel Type = Natural gas., D-Series Fuel Type = Other fuel.
F-13	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-03	40 CFR Part 60, Subpart Dc	D-Series Fuel Type = Other fuel.
F-13	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS	N/A	60J-01	40 CFR Part 60, Subpart J	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	SRU				
F31	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-01	40 CFR Part 60, Subpart J	No changing attributes.
FDP	SRIC ENGINES	N/A	60IIII-01	40 CFR Part 60, Subpart IIII	No changing attributes.
FDP	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FL-1	FLARES	N/A	R1111-4	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FL-1	FLARES	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.
FL-1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60Ja-02	40 CFR Part 60, Subpart Ja	No changing attributes.
FL-2	FLARES	N/A	R1111-4	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FL-2	FLARES	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.
FL-2	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60Ja-03	40 CFR Part 60, Subpart Ja	No changing attributes.
FUG-1	FUGITIVE EMISSION UNITS	N/A	60GGGa-ALL	40 CFR Part 60, Subpart GGGa	No changing attributes.
GRP-AGG.F+	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	CT2 AGG, DESALTULSD, REF96RL200	60QQQ-03	40 CFR Part 60, Subpart QQQ	No changing attributes.
GRP-FURN	FCCU CAT REGEN/FUEL GAS	F-11, F-12	60J-01	40 CFR Part 60, Subpart J	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	COMBUSTION/CLAUS SRU				
GRP-TK04	STORAGE TANKS/VESSELS	T-215, T-216, T-217, T-218, T-219, T-220	R5112-06	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRP-TK04	STORAGE TANKS/VESSELS	T-215, T-216, T-217, T-218, T-219, T-220	60Ka-04	40 CFR Part 60, Subpart Ka	No changing attributes.
H-301	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-01	40 CFR Part 60, Subpart J	No changing attributes.
H-302	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-01	40 CFR Part 60, Subpart Dc	D-Series Fuel Type = Natural gas.
H-302	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-02	40 CFR Part 60, Subpart Dc	D-Series Fuel Type = Natural gas., D-Series Fuel Type = Other fuel.
H-302	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-03	40 CFR Part 60, Subpart Dc	D-Series Fuel Type = Other fuel.
H-302	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60Ja-01	40 CFR Part 60, Subpart Ja	No changing attributes.
H-501	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-01	40 CFR Part 60, Subpart Dc	D-Series Fuel Type = Natural gas.
H-501	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-02	40 CFR Part 60, Subpart Dc	D-Series Fuel Type = Natural gas., D-Series Fuel Type = Other fuel.
H-501	BOILERS/STEAM	N/A	60Dc-03	40 CFR Part 60, Subpart Dc	D-Series Fuel Type = Other fuel.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	GENERATORS/STEAM GENERATING UNITS				
H-501	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60Ja-02	40 CFR Part 60, Subpart Ja	No changing attributes.
H-502	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60Ja-01	40 CFR Part 60, Subpart Ja	No changing attributes.
L-2	LOADING/UNLOADING OPERATIONS	N/A	R5212-02	30 TAC Chapter 115, Loading and Unloading of VOC	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal., Product Transferred = Volatile organic compounds other than liquefied petroleum gas, crude oil, condensate and gasoline., True Vapor Pressure = True vapor pressure is less than 1.5 psia.
L-2	LOADING/UNLOADING OPERATIONS	N/A	R5212-03	30 TAC Chapter 115, Loading and Unloading of VOC	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal., Product Transferred = Volatile organic compounds other than liquefied petroleum gas, crude oil, condensate and gasoline., True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia., Daily Throughput = Loading greater than or equal to 20,000 gallons per day., Chapter

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					115 Control Device Type = Vapor control system with a flare., Control Options = Vapor control system that maintains a control efficiency of at least 90%., Vapor Tight = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.
L-2	LOADING/UNLOADING OPERATIONS	N/A	R5212-04	30 TAC Chapter 115, Loading and Unloading of VOC	Vapor Space Holding Tank = the gasoline terminal does not have a variable vapor space holding tank design that can process vapors independent of transport vessel loading or chooses compliance with 30 TAC 115.212(a)(4)(C)., Chapter 115 Facility Type = Gasoline terminal, Product Transferred = Gasoline, True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia., Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(B), (b)(3)(B), (a)(2)(A), and (b)(3)(A) exemptions do not apply to marine terminals or gasoline terminals., Chapter 115 Control Device Type = Vapor control system with a flare., Control Options = Vapor control system that maintains a control efficiency of at least 90%., Vapor Tight = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					when disconnected.
L-3	LOADING/UNLOADING OPERATIONS	N/A	R5212-02	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
L-4	LOADING/UNLOADING OPERATIONS	N/A	R5212-01	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
RL-1	LOADING/UNLOADING OPERATIONS	N/A	R5212-02	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
T-124	STORAGE TANKS/VESSELS	N/A	R5112-06	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T-124	STORAGE TANKS/VESSELS	N/A	60Kb-02	40 CFR Part 60, Subpart Kb	No changing attributes.
T-334	STORAGE TANKS/VESSELS	N/A	60QQQ-02	40 CFR Part 60, Subpart QQQ	No changing attributes.
T-404	STORAGE TANKS/VESSELS	N/A	60Kb-01	40 CFR Part 60, Subpart Kb	No changing attributes.
T-406S	STORAGE TANKS/VESSELS	N/A	R5112-07	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T-406S	STORAGE TANKS/VESSELS	N/A	60Kb-05	40 CFR Part 60, Subpart Kb	No changing attributes.
T-422	STORAGE TANKS/VESSELS	N/A	R5112-06	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T-422	STORAGE TANKS/VESSELS	N/A	60Kb-04	40 CFR Part 60, Subpart Kb	No changing attributes.
T-433	STORAGE TANKS/VESSELS	N/A	R5112-06	30 TAC Chapter 115, Storage of VOCs	Tank Description = Tank using an internal floating roof with slotted sampling and gauge pipes, True

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia
T-433	STORAGE TANKS/VESSELS	N/A	60Kb-03	40 CFR Part 60, Subpart Kb	Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
T-435	STORAGE TANKS/VESSELS	N/A	R5112-06	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T-435	STORAGE TANKS/VESSELS	N/A	60Kb-03	40 CFR Part 60, Subpart Kb	No changing attributes.
VCU-1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60Ja-05	40 CFR Part 60, Subpart Ja	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
100-TK-11	EU	60QQQ-05	VOC	40 CFR Part 60, Subpart QQQ	§ 60.692-3(a) § 60.692-1(a) § 60.692-3(a)(1) § 60.692-3(a)(2) § 60.692-3(a)(3) § 60.692-3(a)(5) § 60.692-3(e) § 60.692-3(f) § 60.692-6(a) § 60.692-6(b) § 60.692-7(b)	Except as noted, each oil-water separator tank, slop oil tank, storage vessel, or other auxiliary equipment shall be equipped with fixed roof, meeting following specifications:	§ 60.692-3(a)(4) § 60.696(a)	§ 60.697(a) § 60.697(c) [G]§ 60.697(e) § 60.697(f)(1) [G]§ 60.697(f)(2)	§ 60.698(b)(1) § 60.698(e)
900-B-4	EU	60Dc-01	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
900-B-4	EU	60Dc-01	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
900-B-4	EU	60Dc-01	PM (Opacity)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
900-B-4	EU	60Dc-02	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						heat input capacity of 2.9-29 megawatts (MW).			
900-B-4	EU	60Dc-02	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
900-B-4	EU	60Dc-02	PM (Opacity)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
900-B-4	EU	60Dc-03	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
900-B-4	EU	60Dc-03	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
900-B-4	EU	60Dc-03	PM (Opacity)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						megawatts (MW).			
900-B-4	EU	60J-01	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H2S) in excess of 230 mg/dscm (0.10 gr/dscf).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f) § 60.107(g)
900-V-20	EU	60QQQ-04	VOC	40 CFR Part 60, Subpart QQQ	§ 60.692-5 § 60.692-1(a) § 60.692-5(c) § 60.692-5(d) [G]§ 60.692-5(e) § 60.692-6(a) § 60.692-6(b) § 60.692-7(b)	Standard for closed vent system and control devices.	§ 60.695(a)(4) § 60.696(a) § 60.696(c)	§ 60.697(a) § 60.697(d) [G]§ 60.697(e) § 60.697(f)(1) [G]§ 60.697(f)(2) § 60.697(f)(3) § 60.697(f)(3)(i) § 60.697(f)(3)(iii) § 60.697(f)(3)(iv) § 60.697(f)(3)(v) § 60.697(f)(3)(vi) § 60.697(f)(3)(vii)	§ 60.698(b)(1) § 60.698(b)(2) § 60.698(e)
API SEP	EU	60QQQ-01	VOC	40 CFR Part 60, Subpart QQQ	§ 60.692-3(a) § 60.692-1(a) § 60.692-3(a)(1) § 60.692-3(a)(2) § 60.692-3(a)(3) § 60.692-3(a)(5) § 60.692-3(e) § 60.692-3(f) § 60.692-6(a) § 60.692-6(b) § 60.692-7(b)	Except as noted, each oil-water separator tank, slop oil tank, storage vessel, or other auxiliary equipment shall be equipped with fixed roof, meeting following specifications:	§ 60.692-3(a)(4) § 60.696(a)	§ 60.697(a) § 60.697(c) [G]§ 60.697(e) § 60.697(f)(1) [G]§ 60.697(f)(2)	§ 60.698(b)(1) § 60.698(e)
F-11	EU	60Dc-01	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						heat input capacity of 2.9-29 megawatts (MW).			
F-11	EU	60Dc-01	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
F-11	EU	60Dc-01	PM (Opacity)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
F-11	EU	60Dc-02	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
F-11	EU	60Dc-02	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
F-11	EU	60Dc-02	PM (Opacity)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						megawatts (MW).			
F-11	EU	60Dc-03	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
F-11	EU	60Dc-03	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
F-11	EU	60Dc-03	PM (Opacity)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
F-12	EU	60Dc-04	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
F-12	EU	60Dc-04	PM (Opacity)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F-12	EU	60Dc-05	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
F-12	EU	60Dc-05	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
F-12	EU	60Dc-05	PM (Opacity)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
F-12	EU	60Dc-06	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
F-12	EU	60Dc-06	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
F-12	EU	60Dc-06	PM	40 CFR Part 60,	§ 60.40c(a)	This subpart applies to each	None	§ 60.48c(g)(1)	[G]§ 60.48c(a)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
			(Opacity)	Subpart Dc		steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).		§ 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	
F-13	EU	60Dc-01	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
F-13	EU	60Dc-01	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
F-13	EU	60Dc-01	PM (Opacity)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
F-13	EU	60Dc-02	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
F-13	EU	60Dc-02	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit	None	§ 60.48c(g)(1) § 60.48c(g)(2)	[G]§ 60.48c(a)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).		§ 60.48c(g)(3) § 60.48c(i)	
F-13	EU	60Dc-02	PM (Opacity)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
F-13	EU	60Dc-03	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
F-13	EU	60Dc-03	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3)	[G]§ 60.48c(a)
F-13	EU	60Dc-03	PM (Opacity)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
F-13	EU	60J-01	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H2S) in excess of 230 mg/dscm (0.10 gr/dscf).	§ 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)		§ 60.107(g)
F31	EU	60J-01	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H2S) in excess of 230 mg/dscm (0.10 gr/dscf).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f) § 60.107(g)
FDP	EU	60IIII-01	NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(a)-Table 1 § 60.4205(e) § 60.4205(f) § 60.4206 § 60.4207(b) § 60.4211(e) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 37 KW and a displacement of less than 10 liters per cylinder and is a pre-2007 model year must comply with a NOx emission limit of 9.2 g/KW-hr, as listed in Table 1 to this subpart.	§ 60.4209(a) § 60.4211(e)(2) [G]§ 60.4212	§ 60.4214(b)	[G]§ 60.4214(d)
FDP	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
FL-1	EU	R1111-4	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
FL-1	CD	60A-01	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
FL-1	EU	60Ja-02	§111 Pollutant	40 CFR Part 60, Subpart Ja	§ 60.100a(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja ** See Alternative Monitoring Plan	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja
FL-2	EU	R1111-4	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FL-2	CD	60A-01	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
FL-2	EU	60Ja-03	§111 Pollutant	40 CFR Part 60, Subpart Ja	§ 60.100a(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja
FUG-1	EU	60GGGa-ALL	VOC	40 CFR Part 60, Subpart GGGa	[G]§ 60.590a(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart GGGa	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart GGGa	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart GGGa	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart GGGa	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart GGGa
GRP-AGG.F+	EU	60QQQ-03	VOC	40 CFR Part 60, Subpart QQQ	§ 60.692-3(a) § 60.692-1(a) § 60.692-3(a)(1) § 60.692-3(a)(2) § 60.692-3(a)(3) § 60.692-3(a)(5) § 60.692-3(e) § 60.692-3(f) § 60.692-6(a) § 60.692-6(b) § 60.692-7(b)	Except as noted, each oil-water separator tank, slop oil tank, storage vessel, or other auxiliary equipment shall be equipped with fixed roof, meeting following specifications:	§ 60.692-3(a)(4) § 60.696(a)	§ 60.697(a) § 60.697(c) [G]§ 60.697(e) § 60.697(f)(1) [G]§ 60.697(f)(2) § 60.697(f)(3) § 60.697(f)(3)(i) § 60.697(f)(3)(iii) § 60.697(f)(3)(iv) § 60.697(f)(3)(v) § 60.697(f)(3)(vi)	§ 60.698(b)(1) § 60.698(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
								§ 60.697(f)(3)(vii)	
GRP-FURN	EU	60J-01	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H2S) in excess of 230 mg/dscm (0.10 gr/dscf).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f) § 60.107(g)
GRP-TK04	EU	R5112-06	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(c)(1) § 115.111(c)(2) § 115.112(c)(2) § 115.112(c)(2)(A) § 115.114(c)(1)(A)	Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b).	§ 115.114(c)(1)(A) ** See Periodic Monitoring Summary	None	§ 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3)
GRP-TK04	EU	60Ka-04	VOC	40 CFR Part 60, Subpart Ka	§ 60.112a(a)(2)	Vessels storing petroleum liquids with a TVP > 10.3 kPa (1.5 psia) but < 76.6 kPa (11.1 psia) shall have a fixed roof and an internal floating cover with the specified closure device and vents.	§ 60.115a(a) § 60.115a(b) ** See Periodic Monitoring Summary	§ 60.115a(a)	None
H-301	EU	60J-01	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H2S) in excess of 230 mg/dscm (0.10 gr/dscf).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f) § 60.107(g)
H-302	EU	60Dc-01	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed,	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3)	[G]§ 60.48c(a)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).		§ 60.48c(i)	
H-302	EU	60Dc-01	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
H-302	EU	60Dc-01	PM (Opacity)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
H-302	EU	60Dc-02	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
H-302	EU	60Dc-02	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
H-302	EU	60Dc-02	PM (Opacity)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						that has a maximum design heat input capacity of 2.9-29 megawatts (MW).			
H-302	EU	60Dc-03	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
H-302	EU	60Dc-03	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
H-302	EU	60Dc-03	PM (Opacity)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
H-302	EU	60Ja-01	§111 Pollutant	40 CFR Part 60, Subpart Ja	§ 60.100a(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja
H-501	EU	60Dc-01	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit	None	§ 60.48c(g)(1) § 60.48c(g)(2)	[G]§ 60.48c(a)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).		§ 60.48c(g)(3) § 60.48c(i)	
H-501	EU	60Dc-01	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
H-501	EU	60Dc-01	PM (Opacity)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
H-501	EU	60Dc-02	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
H-501	EU	60Dc-02	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
H-501	EU	60Dc-02	PM (Opacity)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed,	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3)	[G]§ 60.48c(a)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).		§ 60.48c(i)	
H-501	EU	60Dc-03	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
H-501	EU	60Dc-03	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
H-501	EU	60Dc-03	PM (Opacity)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
H-501	EU	60Ja-02	§111 Pollutant	40 CFR Part 60, Subpart Ja	§ 60.100a(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja
H-502	EU	60Ja-01	§111	40 CFR Part 60,	§ 60.100a(a)	The permit holder shall	The permit holder	The permit holder shall	The permit holder shall

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
			Pollutant	Subpart Ja	The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Ja	comply with the applicable requirements of 40 CFR Part 60, Subpart Ja	shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja	comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja	comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja
L-2	EU	R5212-02	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division except as specified.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
L-2	EU	R5212-03	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.212(b)(1) § 115.212(b)(1)(A) § 115.212(b)(3)(A) § 115.212(b)(3)(A)(i) § 115.212(b)(3)(B)[G]§ 115.212(b)(3)(C) § 115.212(b)(3)(E) § 115.214(b)(1)(B) § 115.214(b)(1)(C) § 60.18	In Aransas, Bexar, Calhoun, Gregg, Matagorda, Nueces, San Patricio, Travis and Victoria Counties, vapors caused by the loading of VOC with a TVP of 1.5 psia or greater must be controlled by one of the following.	§ 115.212(b)(3)(B)[G]§ 115.212(b)(3)(C) § 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.214(b)(1)(A)(ii) § 115.214(b)(1)(A)(iii) § 115.215 § 115.215(1) § 115.215(10) [G]§ 115.215(2) [G]§ 115.215(3) § 115.215(4) § 115.215(5) § 115.215(8) § 115.215(9) § 115.216(1) § 115.216(1)(B)	§ 115.216 § 115.216(1) § 115.216(1)(B) § 115.216(2) § 115.216(3)(A) § 115.216(3)(A)(i) § 115.216(3)(A)(ii) § 115.216(3)(A)(iii) § 115.216(3)(B)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
L-2	EU	R5212-04	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.211(2) § 115.212(b)(3)(A) § 115.212(b)(3)(A)(i) § 115.212(b)(3)(B)[G]§ 115.212(b)(3)(C) § 115.212(b)(3)(E) § 115.212(b)(4)(A) § 115.212(b)(4)(B) § 115.212(b)(4)(C) § 115.214(b)(1)(B) § 115.214(b)(1)(C) § 60.18	Gasoline terminals, in the covered attainment counties, shall ensure that VOC emissions do not exceed 0.17lb/1,000gal, and until 4/30/00 in Gregg, Nueces, and Victoria Counties 0.67lb/1,000gal.	§ 115.212(b)(3)(B) § 115.212(b)(4)(C) § 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.214(b)(1)(A)(ii) § 115.214(b)(1)(A)(iii) § 115.214(b)(2) § 115.215 § 115.215(1) § 115.215(10) [G]§ 115.215(2) [G]§ 115.215(3) § 115.215(4) § 115.215(5) § 115.215(6) § 115.215(9) § 115.216(1) § 115.216(1)(B)	§ 115.216 § 115.216(1) § 115.216(1)(B) § 115.216(2) § 115.216(3)(A) § 115.216(3)(A)(i) § 115.216(3)(A)(ii) § 115.216(3)(A)(iii) § 115.216(3)(B)[G]§ 115.216(3)(E)	None
L-3	EU	R5212-02	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division except as specified.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
L-4	EU	R5212-01	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(4) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	Crude oil, condensate, and liquefied petroleum gas. All loading and unloading of crude oil, condensate, and liquefied petroleum gas is exempt from division, except for the specified requirements.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i)	§ 115.216 § 115.216(3)(A) § 115.216(3)(A)(ii) § 115.216(3)(B)	None
RL-1	EU	R5212-02	VOC	30 TAC Chapter	§ 115.217(b)(2)	Vapor pressure (at land-	§ 115.214(b)(1)(A)	§ 115.216	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				115, Loading and Unloading of VOC	§ 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division except as specified.	§ 115.214(b)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216(2) § 115.216(3)(B)	
T-124	EU	R5112-06	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(c)(1) § 115.111(c)(2) § 115.112(c)(2) § 115.112(c)(2)(A) § 115.114(c)(1)(A)	Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b).	§ 115.114(c)(1)(A) ** See Periodic Monitoring Summary	None	§ 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3)
T-124	EU	60Kb-02	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
T-334	EU	60QQQ-02	VOC	40 CFR Part 60, Subpart QQQ	§ 60.692-3(a) § 60.692-1(a) § 60.692-3(a)(1) § 60.692-3(a)(2) § 60.692-3(a)(3) § 60.692-3(a)(5) § 60.692-3(e) § 60.692-3(f) § 60.692-6(a) § 60.692-6(b) § 60.692-7(b)	Except as noted, each oil-water separator tank, slop oil tank, storage vessel, or other auxiliary equipment shall be equipped with fixed roof, meeting following specifications:	§ 60.692-3(a)(4) § 60.696(a)	§ 60.697(a) § 60.697(c) [G]§ 60.697(e) § 60.697(f)(1) [G]§ 60.697(f)(2)	§ 60.698(b)(1) § 60.698(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
T-404	EU	60Kb-01	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
T-406S	EU	R5112-07	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(c)(1) § 115.111(c)(2) § 115.112(c)(2) § 115.112(c)(2)(A) § 115.114(c)(1)(A)	Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b).	§ 115.114(c)(1)(A) ** See Periodic Monitoring Summary	None	§ 115.114(c)(1)(B)
T-406S	EU	60Kb-05	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
T-422	EU	R5112-06	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(c)(1) § 115.111(c)(2) § 115.112(c)(2) § 115.112(c)(2)(A) § 115.114(c)(1)(A)	Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b).	§ 115.114(c)(1)(A) ** See Periodic Monitoring Summary	None	§ 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
T-422	EU	60Kb-04	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
T-433	EU	R5112-06	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(c)(1) § 115.111(c)(2) § 115.112(c)(2) § 115.112(c)(2)(A) § 115.114(c)(1)(A)	Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b).	§ 115.114(c)(1)(A) ** See Periodic Monitoring Summary	None	§ 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3)
T-433	EU	60Kb-03	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
T-435	EU	R5112-06	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(c)(1) § 115.111(c)(2) § 115.112(c)(2) § 115.112(c)(2)(A) § 115.114(c)(1)(A)	Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b).	§ 115.114(c)(1)(A) ** See Periodic Monitoring Summary	None	§ 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
T-435	EU	60Kb-03	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
VCU-1	EU	60Ja-05	§111 Pollutant	40 CFR Part 60, Subpart Ja	§ 60.100a(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja

Additional Monitoring Requirements

Periodic Monitoring Summary 45

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-TK04	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-06
Pollutant: VOC	Main Standard: § 115.112(c)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: n/a	
Deviation Limit: Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric.	
Periodic Monitoring Text: Visually inspect and record the inspection of the internal floating roof to ensure: the roof is floating on the surface of the VOC and, liquid has not accumulated on the internal floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-TK04	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Ka	SOP Index No.: 60Ka-04
Pollutant: VOC	Main Standard: § 60.112a(a)(2)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: n/a	
Deviation Limit: Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric.	
Periodic Monitoring Text: Visually inspect and record the inspection of the internal floating roof to ensure: the roof is floating on the surface of the VOC and, liquid has not accumulated on the internal floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: T-124	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-06
Pollutant: VOC	Main Standard: § 115.112(c)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: n/a	
Deviation Limit: Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric.	
Periodic Monitoring Text: Visually inspect and record the inspection of the internal floating roof to ensure: the roof is floating on the surface of the VOC and, liquid has not accumulated on the internal floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: T-406S	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-07
Pollutant: VOC	Main Standard: § 115.112(c)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: n/a	
Deviation Limit: Any monitoring data indicating that the roof is not floating, liquid has accumulated on the internal floating roof, the seals are detached, and/or there are holes or tears in the seal fabric shall be considered and reported as a deviation.	
Periodic Monitoring Text: Visually inspect and record the inspection of the internal floating roof to ensure: the roof is floating on the surface of the VOC and, liquid has not accumulated on the internal floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: T-422	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-06
Pollutant: VOC	Main Standard: § 115.112(c)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: n/a	
Deviation Limit: Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric.	
Periodic Monitoring Text: Visually inspect and record the inspection of the internal floating roof to ensure: the roof is floating on the surface of the VOC and, liquid has not accumulated on the internal floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: T-433	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-06
Pollutant: VOC	Main Standard: § 115.112(c)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: n/a	
Deviation Limit: Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric.	
Periodic Monitoring Text: Visually inspect and record the inspection of the internal floating roof to ensure: the roof is floating on the surface of the VOC and, liquid has not accumulated on the internal floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: T-435	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-06
Pollutant: VOC	Main Standard: § 115.112(c)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: n/a	
Deviation Limit: Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric.	
Periodic Monitoring Text: Visually inspect and record the inspection of the internal floating roof to ensure: the roof is floating on the surface of the VOC and, liquid has not accumulated on the internal floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation.	

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The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
900-B-4	N/A	30 TAC Chapter 112, Sulfur Compounds	The boiler does not burn solid or liquid fuel.
900-B-4	N/A	40 CFR Part 60, Subpart D	The unit is < 250 MMBTU/hr maximum heat input.
900-B-4	N/A	40 CFR Part 60, Subpart Da	The unit is < 250 MMBTU/hr maximum heat input.
900-B-4	N/A	40 CFR Part 60, Subpart Db	The unit is < 100 MMBTU/hr maximum heat input.
900-B-4	N/A	40 CFR Part 60, Subpart Ja	Fuel gas combustion device commenced construction/reconstruction/modification before 05/14/2007.
900-B-4	N/A	40 CFR Part 63, Subpart DDDDD	The site is not a major source of HAP.
900-B-4	N/A	40 CFR Part 63, Subpart JJJJJJ	The boiler is a gas fired boiler.
CT-2	N/A	40 CFR Part 63, Subpart CC	The site is not a major HAP source.
CT-2	N/A	40 CFR Part 63, Subpart Q	The site is not a major source of HAP and has not operated with chromium-based water treatment chemicals after 09/08/1994.
F-11	N/A	30 TAC Chapter 112, Sulfur Compounds	The furnace does not burn solid or liquid fuel.
F-11	N/A	40 CFR Part 60, Subpart D	The unit is < 250 MMBTU/hr maximum heat input.
F-11	N/A	40 CFR Part 60, Subpart Da	The unit is < 250 MMBTU/hr maximum heat input.
F-11	N/A	40 CFR Part 60, Subpart Db	The unit is < 100 MMBTU/hr maximum heat input.
F-11	N/A	40 CFR Part 60, Subpart Ja	Fuel gas combustion device commenced

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			construction/reconstruction/modification before 05/14/2007.
F-11	N/A	40 CFR Part 63, Subpart DDDDD	The site is not a major source of HAP.
F-11	N/A	40 CFR Part 63, Subpart JJJJJJ	Process heaters are not subject to MACT JJJJJJ.
F-12	N/A	30 TAC Chapter 112, Sulfur Compounds	The furnace does not burn solid or liquid fuel.
F-12	N/A	40 CFR Part 60, Subpart D	The unit is < 250 MMBTU/hr maximum heat input.
F-12	N/A	40 CFR Part 60, Subpart Da	The unit is < 250 MMBTU/hr maximum heat input.
F-12	N/A	40 CFR Part 60, Subpart Db	The unit is < 100 MMBTU/hr maximum heat input.
F-12	N/A	40 CFR Part 60, Subpart Ja	Fuel gas combustion device commenced construction/reconstruction/modification before 05/14/2007.
F-12	N/A	40 CFR Part 63, Subpart DDDDD	The site is not a major source of HAP.
F-12	N/A	40 CFR Part 63, Subpart JJJJJJ	Process heaters are not subject to MACT JJJJJJ.
F-13	N/A	30 TAC Chapter 112, Sulfur Compounds	The furnace does not burn solid or liquid fuel.
F-13	N/A	40 CFR Part 60, Subpart D	The unit is < 250 MMBTU/hr maximum heat input.
F-13	N/A	40 CFR Part 60, Subpart Da	The unit is < 250 MMBTU/hr maximum heat input.
F-13	N/A	40 CFR Part 60, Subpart Db	The unit is < 100 MMBTU/hr maximum heat

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			input.
F-13	N/A	40 CFR Part 60, Subpart Ja	Fuel gas combustion device commenced construction/reconstruction/modification before 05/14/2007.
F-13	N/A	40 CFR Part 63, Subpart DDDDD	The site is not a major source of HAP.
F-13	N/A	40 CFR Part 63, Subpart JJJJJJ	Process heaters are not subject to MACT JJJJJJ.
F31	N/A	30 TAC Chapter 112, Sulfur Compounds	The furnace does not burn solid or liquid fuel.
F31	N/A	40 CFR Part 60, Subpart D	The unit is < 250 MMBTU/hr maximum heat input.
F31	N/A	40 CFR Part 60, Subpart Da	The unit is < 250 MMBTU/hr maximum heat input.
F31	N/A	40 CFR Part 60, Subpart Db	The unit is < 100 MMBTU/hr maximum heat input.
F31	N/A	40 CFR Part 60, Subpart Dc	Not included in the definition of a steam generating unit.
F31	N/A	40 CFR Part 60, Subpart Ja	Fuel gas combustion device commenced construction/reconstruction/modification before 05/14/2007.
F31	N/A	40 CFR Part 63, Subpart DDDDD	The site is not a major source of HAP.
F31	N/A	40 CFR Part 63, Subpart JJJJJJ	Process heaters are not subject to MACT JJJJJJ.
FDP	N/A	40 CFR Part 60, Subpart JJJJ	The engine is not a stationary spark ignition (SI) internal combustion engine.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
FL-1	N/A	40 CFR Part 60, Subpart J	Fuel gas combustion device commenced construction/reconstruction/modification after 05/15/2007.
FL-2	N/A	40 CFR Part 60, Subpart J	Fuel gas combustion device commenced construction/reconstruction/modification after 05/15/2007.
FL-2	N/A	40 CFR Part 63, Subpart A	The flare does not control any emissions that are subject to 40 CFR Part 63.
FUG-1	N/A	40 CFR Part 60, Subpart VV	Does not produce, any intermediate or final product, one or more of the chemicals listed in 60.489.
FUG-1	N/A	40 CFR Part 60, Subpart VVa	Does not produce, any intermediate or final product, one or more of the chemicals listed in 60.489.
FUG-1	N/A	40 CFR Part 63, Subpart BBBBBB	Does not meet the definition of bulk gasoline plant or terminal. Does not receive gasoline by pipeline, ship, or barge, or cargo tank.
FUG-1	N/A	40 CFR Part 63, Subpart CC	Site is not a major source of HAPS.
FUG-1	N/A	40 CFR Part 63, Subpart CCCCCC	Does not meet the definition of a gasoline dispensing facility. Does not dispense gasoline into the fuel tank of a motor vehicle, motor vehicle engine, nonroad vehicle, or nonroad engine.
FUG-1	N/A	40 CFR Part 63, Subpart R	Site is not a major source of HAPS.
FUG-1	N/A	40 CFR Part 63, Subpart UUU	The site is not a major source of HAPS.

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The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-TK01	T-900-1, T-900-2, T-900-3	40 CFR Part 60, Subpart K	Commenced construction/modification after 05/19/1978.
GRP-TK01	T-900-1, T-900-2, T-900-3	40 CFR Part 60, Subpart Ka	Commenced construction/modification after 07/23/1984.
GRP-TK01	T-900-1, T-900-2, T-900-3	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa and without emissions to the atmosphere.
GRP-TK01	T-900-1, T-900-2, T-900-3	40 CFR Part 63, Subpart BBBBBB	Storage tank does not store gasoline.
GRP-TK01	T-900-1, T-900-2, T-900-3	40 CFR Part 63, Subpart CCCCCC	Does not meet the definition of a gasoline dispensing facility. Does not dispense gasoline into the fuel tank of a motor vehicle engine, nonroad vehicle, or nonroad engine.
GRP-TK03	T-096, T-097	30 TAC Chapter 115, Storage of VOCs	A storage tank storing VOC with a true vapor pressure < 1.5 psia is exempt from the requirements of this division.
GRP-TK03	T-096, T-097	40 CFR Part 60, Subpart K	Commenced construction/modification after 05/19/1978.
GRP-TK03	T-096, T-097	40 CFR Part 60, Subpart Ka	Storage vessel storing petroleum liquid with a maximum RVP and TVP < 1.0 psia.
GRP-TK03	T-096, T-097	40 CFR Part 60, Subpart Kb	Commenced construction/modification before 07/23/1984.
GRP-TK03	T-096, T-097	40 CFR Part 63, Subpart BBBBBB	Storage tank does not store gasoline.
GRP-TK03	T-096, T-097	40 CFR Part 63, Subpart CCCCCC	Does not meet the definition of a gasoline dispensing facility. Does not dispense gasoline into the fuel tank of a motor vehicle

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			engine, nonroad vehicle, or nonroad engine.
GRP-TK04	T-215, T-216, T-217, T-218, T-219, T-220	40 CFR Part 60, Subpart K	Commenced construction/modification after 05/19/1978.
GRP-TK04	T-215, T-216, T-217, T-218, T-219, T-220	40 CFR Part 60, Subpart Kb	Commenced construction/modification before 07/23/1984.
GRP-TK04	T-215, T-216, T-217, T-218, T-219, T-220	40 CFR Part 63, Subpart BBBBBB	Does not meet the definition of a bulk gasoline plant or terminal. Does not receive gasoline by pipeline, ship or barge, or cargo tank.
GRP-TK04	T-215, T-216, T-217, T-218, T-219, T-220	40 CFR Part 63, Subpart CCCCCC	Does not meet the definition of a gasoline dispensing facility. Does not dispense gasoline into the fuel tank of a motor vehicle engine, nonroad vehicle, or nonroad engine.
GRP-TK07	T-113, T-125, T-126, T-409, T-411, T-424, T-425, T-427, T-428, T-429, T-430	30 TAC Chapter 115, Storage of VOCs	A storage tank storing VOC with a true vapor pressure < 1.5 psia is exempt from the requirements of this division.
GRP-TK07	T-113, T-125, T-126, T-409, T-411, T-424, T-425, T-427, T-428, T-429, T-430	40 CFR Part 60, Subpart K	Commenced construction/modification before 06/11/1973.
GRP-TK07	T-113, T-125, T-126, T-409, T-411, T-424, T-425, T-427, T-428, T-429, T-430	40 CFR Part 60, Subpart Ka	Commenced construction/modification before 05/18/1978.
GRP-TK07	T-113, T-125, T-126, T-409, T-411, T-424, T-425, T-427, T-428, T-429, T-430	40 CFR Part 60, Subpart Kb	Commenced construction/modification before 07/23/1984.
GRP-TK07	T-113, T-125, T-126, T-409, T-411, T-424, T-425, T-427, T-	40 CFR Part 63, Subpart BBBBBB	Storage tank does not store gasoline.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	428, T-429, T-430		
GRP-TK07	T-113, T-125, T-126, T-409, T-411, T-424, T-425, T-427, T-428, T-429, T-430	40 CFR Part 63, Subpart CCCCCC	Does not meet the definition of a gasoline dispensing facility. Does not dispense gasoline into the fuel tank of a motor vehicle engine, nonroad vehicle, or nonroad engine.
GRP-TK10	T-900TK02, T-900TK03	30 TAC Chapter 115, Storage of VOCs	Storage tanks storing VOC with a true vapor pressure < 1.5 psia is exempt from the requirements of this division.
GRP-TK10	T-900TK02, T-900TK03	40 CFR Part 60, Subpart K	Commenced construction/modification after 05/19/1978.
GRP-TK10	T-900TK02, T-900TK03	40 CFR Part 60, Subpart Ka	Commenced construction/modification after 07/23/1984.
GRP-TK10	T-900TK02, T-900TK03	40 CFR Part 60, Subpart Kb	Storage vessel has a capacity greater than or equal to 19,812.9 gallons but less than 139,889.9 gallons and is storing a liquid with a maximum true vapor pressure < 2.18 psia.
GRP-TK10	T-900TK02, T-900TK03	40 CFR Part 63, Subpart BBBBBB	Storage tanks do not store gasoline.
GRP-TK10	T-900TK02, T-900TK03	40 CFR Part 63, Subpart CCCCCC	Does not meet the definition of a gasoline dispensing facility. Does not dispense gasoline into the fuel tank of a motor vehicle engine, nonroad vehicle, or nonroad engine.
GRP-TK11	T-431, T-432, T-434	30 TAC Chapter 115, Storage of VOCs	A storage tank storing VOC with a true vapor pressure < 1.5 psia is exempt from the requirements of this division.
GRP-TK11	T-431, T-432, T-434	40 CFR Part 60, Subpart K	Commenced construction/modification after 05/19/1978.

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The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-TK11	T-431, T-432, T-434	40 CFR Part 60, Subpart Ka	Storage vessel storing petroleum liquid with a maximum RVP and TVP < 1.0 psia.
GRP-TK11	T-431, T-432, T-434	40 CFR Part 60, Subpart Kb	Commenced construction/modification before 07/23/1984.
GRP-TK11	T-431, T-432, T-434	40 CFR Part 63, Subpart BBBBBB	Storage tanks do not store gasoline.
GRP-TK11	T-431, T-432, T-434	40 CFR Part 63, Subpart CCCCCC	Does not meet the definition of a gasoline dispensing facility. Does not dispense gasoline into the fuel tank of a motor vehicle engine, nonroad vehicle, or nonroad engine.
GRP-TK12	T-303S, T-304S, T-305S, T-306S, T-307S, T-308S, T-311S, T-314S, T-316S, T-318S, T-319S, T-332S, T-333S, T-334S, T-335S, T-336S, T-337S, T-338S	30 TAC Chapter 115, Storage of VOCs	A storage tank storing VOC with a true vapor pressure < 1.5 psia is exempt from the requirements of this division.
GRP-TK12	T-303S, T-304S, T-305S, T-306S, T-307S, T-308S, T-311S, T-314S, T-316S, T-318S, T-319S, T-332S, T-333S, T-334S, T-335S, T-336S, T-337S, T-338S	40 CFR Part 60, Subpart K	Commenced construction/modification after 05/19/1978.
GRP-TK12	T-303S, T-304S, T-305S, T-306S, T-307S, T-308S, T-311S, T-314S, T-316S, T-318S, T-319S, T-332S, T-333S, T-334S, T-335S, T-336S, T-337S, T-338S	40 CFR Part 60, Subpart Ka	Commenced construction/modification after 07/23/1984.

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The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-TK12	T-303S, T-304S, T-305S, T-306S, T-307S, T-308S, T-311S, T-314S, T-316S, T-318S, T-319S, T-332S, T-333S, T-334S, T-335S, T-336S, T-337S, T-338S	40 CFR Part 60, Subpart Kb	Does not apply to storage vessels with a capacity > 39,889.98 gallons storing a liquid with a maximum true vapor pressure < 0.5 psia.
GRP-TK12	T-303S, T-304S, T-305S, T-306S, T-307S, T-308S, T-311S, T-314S, T-316S, T-318S, T-319S, T-332S, T-333S, T-334S, T-335S, T-336S, T-337S, T-338S	40 CFR Part 63, Subpart BBBBBB	Storage tank does not store gasoline.
GRP-TK12	T-303S, T-304S, T-305S, T-306S, T-307S, T-308S, T-311S, T-314S, T-316S, T-318S, T-319S, T-332S, T-333S, T-334S, T-335S, T-336S, T-337S, T-338S	40 CFR Part 63, Subpart CCCCCC	Does not meet the definition of a gasoline dispensing facility. Does not dispense gasoline into the fuel tank of a motor vehicle engine, nonroad vehicle, or nonroad engine.
GRP-TK13	T-095, T-408S	30 TAC Chapter 115, Storage of VOCs	A storage tank storing VOC with a true vapor pressure < 1.5 psia is exempt from the requirements of this division.
GRP-TK13	T-095, T-408S	40 CFR Part 60, Subpart K	Commenced construction/modification after 05/19/1978.
GRP-TK13	T-095, T-408S	40 CFR Part 60, Subpart Ka	Commenced construction/modification after 07/23/1984.
GRP-TK13	T-095, T-408S	40 CFR Part 60, Subpart Kb	Does not apply to storage vessels with a capacity > 39,889.98 gallons storing a liquid with a maximum true vapor pressure < 0.5

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			psia.
GRP-TK13	T-095, T-408S	40 CFR Part 63, Subpart BBBBBB	Storage tanks do not store gasoline.
GRP-TK13	T-095, T-408S	40 CFR Part 63, Subpart CCCCCC	Does not meet the definition of a gasoline dispensing facility. Does not dispense gasoline into the fuel tank of a motor vehicle engine, nonroad vehicle, or nonroad engine.
H-301	N/A	30 TAC Chapter 112, Sulfur Compounds	Heater does not burn solid or liquid fuel.
H-301	N/A	40 CFR Part 60, Subpart D	The unit is < 250 MMBTU/hr maximum heat input.
H-301	N/A	40 CFR Part 60, Subpart Da	The unit is < 250 MMBTU/hr maximum heat input.
H-301	N/A	40 CFR Part 60, Subpart Db	The unit has a maximum heat input < 100 MMBTU/hr.
H-301	N/A	40 CFR Part 60, Subpart Dc	No modification or reconstruction that would trigger NSPS applicability after June 9, 1989.
H-301	N/A	40 CFR Part 60, Subpart Ja	Fuel gas combustion device commenced construction/reconstruction/modification before 05/14/2007.
H-301	N/A	40 CFR Part 63, Subpart DDDDD	The site is not a major source of HAP.
H-301	N/A	40 CFR Part 63, Subpart JJJJJJ	Process heaters are not subject to MACT JJJJJJ.
H-302	N/A	30 TAC Chapter 112, Sulfur Compounds	These heaters do not burn solid or liquid fuel.
H-302	N/A	40 CFR Part 60, Subpart D	The unit is < 250 MMBTU/hr maximum heat input.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
H-302	N/A	40 CFR Part 60, Subpart Da	The unit is < 250 MMBTU/hr maximum heat input.
H-302	N/A	40 CFR Part 60, Subpart Db	The unit is < 100 MMBTU/hr maximum heat input.
H-302	N/A	40 CFR Part 60, Subpart J	Fuel gas combustion device commenced construction/reconstruction/modification after May 15, 2007.
H-302	N/A	40 CFR Part 63, Subpart DDDDD	The site is not a major HAP source.
H-302	N/A	40 CFR Part 63, Subpart JJJJJJ	Process heaters are not subject to MACT JJJJJJ.
H-501	N/A	30 TAC Chapter 112, Sulfur Compounds	Heater does not burn solid or liquid fuel.
H-501	N/A	40 CFR Part 60, Subpart D	The unit is < 250 MMBTU/hr maximum heat input.
H-501	N/A	40 CFR Part 60, Subpart Da	The unit is < 250 MMBTU/hr maximum heat input.
H-501	N/A	40 CFR Part 60, Subpart Db	The unit is < 100 MMBTU/hr maximum heat input.
H-501	N/A	40 CFR Part 63, Subpart DDDDD	The site is not a major source of HAP.
H-501	N/A	40 CFR Part 60, Subpart J	Fuel gas combustion device commenced construction/reconstruction/modification after 05/15/2007.
H-501	N/A	40 CFR Part 63, Subpart JJJJJJ	Process heaters are not subject to MACT JJJJJJ.
H-502	N/A	30 TAC Chapter 112, Sulfur Compounds	These heaters do not burn solid or liquid fuel.

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The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
H-502	N/A	40 CFR Part 60, Subpart D	The unit is < 250 MMBTU/hr maximum heat input.
H-502	N/A	40 CFR Part 60, Subpart Da	The unit is < 250 MMBTU/hr maximum heat input.
H-502	N/A	40 CFR Part 60, Subpart Db	The unit is < 100 MMBTU/hr maximum heat input.
H-502	N/A	40 CFR Part 60, Subpart Dc	Not included in the definition of a steam generating unit.
H-502	N/A	40 CFR Part 63, Subpart DDDDD	The site is not a major HAP source.
H-502	N/A	40 CFR Part 63, Subpart JJJJJJ	Process heaters are not subject to MACT JJJJJJ.
H-502	N/A	40 CFR Part 60, Subpart J	Fuel gas combustion device commenced construction/reconstruction/modification after 05/15/2007.
L-2	N/A	40 CFR Part 60, Subpart XX	Does not meet the definition of a bulk gasoline terminal. Does not receive gasoline by pipeline, ship, or barge, or cargo tank.
L-2	N/A	40 CFR Part 63, Subpart BBBBBB	Does not meet the definition of a bulk gasoline plant or terminal. Does not receive gasoline by pipeline, ship or barge, or cargo tank.
L-2	N/A	40 CFR Part 63, Subpart CC	The site is not a major HAP source.
L-2	N/A	40 CFR Part 63, Subpart R	Site is not a major source of HAP.
L-3	N/A	40 CFR Part 60, Subpart XX	Does not meet the definition of a bulk gasoline terminal. Does not receive gasoline by pipeline, ship, or barge, or cargo tank.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
L-3	N/A	40 CFR Part 63, Subpart BBBBBB	Does not meet the definition of a bulk gasoline plant or terminal. Does not receive gasoline by pipeline, ship or barge, or cargo tank.
L-3	N/A	40 CFR Part 63, Subpart CC	The site is not a major HAP source.
L-3	N/A	40 CFR Part 63, Subpart R	Site is not a major source of HAP.
RL-1	N/A	40 CFR Part 60, Subpart XX	Does not meet the definition of a bulk gasoline terminal. Does not receive gasoline by pipeline, ship, or barge, or cargo tank.
RL-1	N/A	40 CFR Part 63, Subpart BBBBBB	Does not meet the definition of a bulk gasoline plant or terminal. Does not receive gasoline by pipeline, ship or barge, or cargo tank.
RL-1	N/A	40 CFR Part 63, Subpart CC	The site is not a major HAP source.
RL-1	N/A	40 CFR Part 63, Subpart R	The site is not a major HAP source.
T-122	N/A	30 TAC Chapter 115, Storage of VOCs	A storage tank storing VOC with a true vapor pressure < 1.5 psia is exempt from the requirements of this division.
T-122	N/A	40 CFR Part 60, Subpart K	Commenced construction/modification before 06/11/1973.
T-122	N/A	40 CFR Part 60, Subpart Ka	Commenced construction/modification before 05/18/1978.
T-122	N/A	40 CFR Part 60, Subpart Kb	Commenced construction/modification before 07/23/1984.
T-122	N/A	40 CFR Part 60, Subpart QQQ	Commenced construction/modification before 05/04/1987.

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The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
T-122	N/A	40 CFR Part 63, Subpart BBBBBB	Storage tanks do not store gasoline.
T-122	N/A	40 CFR Part 63, Subpart CCCCCC	Does not meet the definition of a gasoline dispensing facility. Does not dispense gasoline into the fuel tank of a motor vehicle engine, nonroad vehicle, or nonroad engine.
T-124	N/A	40 CFR Part 60, Subpart K	Commenced modification after 05/19/1978.
T-124	N/A	40 CFR Part 60, Subpart Ka	Commenced modification after 07/23/1984.
T-124	N/A	40 CFR Part 63, Subpart BBBBBB	Storage tank does not store gasoline.
T-124	N/A	40 CFR Part 63, Subpart CCCCCC	Does not meet the definition of a gasoline dispensing facility. Does not dispense gasoline into the fuel tank of a motor vehicle engine, nonroad vehicle, or nonroad engine.
T-214	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tanks storing VOC with a true vapor pressure < 1.5 psia is exempt from the requirements of this division.
T-214	N/A	40 CFR Part 60, Subpart K	Commenced construction/modification before 06/11/1973.
T-214	N/A	40 CFR Part 60, Subpart Ka	Commenced construction/modification before 05/18/1978.
T-214	N/A	40 CFR Part 60, Subpart QQQ	Commenced construction/modification before 05/04/1987.
T-214	N/A	40 CFR Part 63, Subpart BBBBBB	Storage tank does not store gasoline.
T-214	N/A	40 CFR Part 63, Subpart CCCCCC	Does not meet the definition of a gasoline dispensing facility. Does not dispense gasoline into the fuel tank of a motor vehicle

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			engine, nonroad vehicle, or nonroad engine.
T-321	N/A	30 TAC Chapter 115, Storage of VOCs	A storage tank storing VOC with a true vapor pressure < 1.5 psia is exempt from the requirements of this division.
T-321	N/A	40 CFR Part 60, Subpart K	Commenced construction/modification after 05/19/1978.
T-321	N/A	40 CFR Part 60, Subpart Ka	Storage tank capacity is < 40,000 gallons.
T-321	N/A	40 CFR Part 60, Subpart Kb	Commenced construction/modification before 07/23/1984.
T-321	N/A	40 CFR Part 63, Subpart BBBBBB	Storage tank does not store gasoline.
T-321	N/A	40 CFR Part 63, Subpart CCCCCC	Does not meet the definition of a gasoline dispensing facility. Does not dispense gasoline into the fuel tank of a motor vehicle engine, nonroad vehicle, or nonroad engine.
T-334	N/A	30 TAC Chapter 115, Storage of VOCs	A storage tank storing VOC with a true vapor pressure < 1.5 psia is exempt from the requirements of this division.
T-334	N/A	40 CFR Part 60, Subpart K	Commenced construction/modification after 05/19/1978.
T-334	N/A	40 CFR Part 60, Subpart Ka	Commenced construction/modification after 07/23/1984.
T-334	N/A	40 CFR Part 60, Subpart Kb	Storage tank has a storage capacity < 19,812.9 gallons.
T-334	N/A	40 CFR Part 63, Subpart BBBBBB	Storage tank does not store gasoline.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
T-334	N/A	40 CFR Part 63, Subpart CCCCCC	Does not meet the definition of a gasoline dispensing facility. Does not dispense gasoline into the fuel tank of a motor vehicle, motor vehicle engine, nonroad vehicle, or nonroad engine.
T-401	N/A	30 TAC Chapter 115, Storage of VOCs	Tank stores crude and is located in Bexar County.
T-401	N/A	40 CFR Part 60, Subpart K	Commenced construction/modification before 06/11/1973.
T-401	N/A	40 CFR Part 60, Subpart Ka	Commenced construction/modification before 05/18/1978.
T-401	N/A	40 CFR Part 60, Subpart Kb	Commenced construction/modification before 07/23/1984.
T-401	N/A	40 CFR Part 60, Subpart QQQ	Commenced construction/modification before 05/04/1987.
T-401	N/A	40 CFR Part 63, Subpart BBBBBB	Storage tanks do not store gasoline.
T-401	N/A	40 CFR Part 63, Subpart CCCCCC	Does not meet the definition of a gasoline dispensing facility. Does not dispense gasoline into the fuel tank of a motor vehicle engine, nonroad vehicle, or nonroad engine.
T-404	N/A	30 TAC Chapter 115, Storage of VOCs	Tank stores crude and is located in Bexar County.
T-404	N/A	40 CFR Part 60, Subpart K	Commenced modification after 05/19/1978.
T-404	N/A	40 CFR Part 60, Subpart Ka	Commenced modification after 07/23/1984.
T-404	N/A	40 CFR Part 60, Subpart QQQ	Storage vessels that are subject to the

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			standards in 40 CFR Part 60, subpart Kb are not subject to requirements of subpart QQQ.
T-404	N/A	40 CFR Part 63, Subpart BBBBBB	Storage tanks do not store gasoline.
T-404	N/A	40 CFR Part 63, Subpart CCCCCC	Does not meet the definition of a gasoline dispensing facility. Does not dispense gasoline into the fuel tank of a motor vehicle engine, nonroad vehicle, or nonroad engine.
T-406S	N/A	40 CFR Part 60, Subpart K	Commenced construction/modification after 05/19/1978.
T-406S	N/A	40 CFR Part 60, Subpart Ka	Commenced construction/modification after 07/23/1984.
T-406S	N/A	40 CFR Part 63, Subpart BBBBBB	Storage tanks do not store gasoline.
T-406S	N/A	40 CFR Part 63, Subpart CCCCCC	Does not meet the definition of a gasoline dispensing facility. Does not dispense gasoline into the fuel tank of a motor vehicle engine, nonroad vehicle, or nonroad engine.
T-410	N/A	30 TAC Chapter 115, Storage of VOCs	A storage tank storing VOC with a true vapor pressure < 1.5 psia is exempt from the requirements of this division
T-410	N/A	40 CFR Part 60, Subpart K	Commenced construction/modification after 05/19/1978.
T-410	N/A	40 CFR Part 60, Subpart Ka	Storage vessel storing petroleum liquid with a maximum RVP and TVP < 1.0 psia
T-410	N/A	40 CFR Part 60, Subpart Kb	Commenced construction/modification before 07/23/1984.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
T-410	N/A	40 CFR Part 63, Subpart BBBBBB	Storage tank does not store gasoline.
T-410	N/A	40 CFR Part 63, Subpart CCCCCC	Does not meet the definition of a gasoline dispensing facility. Does not dispense gasoline into the fuel tank of a motor vehicle engine, nonroad vehicle, or nonroad engine.
T-412	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tanks storing VOC with a true vapor pressure < 1.5 psia are exempt from the requirements of this division.
T-412	N/A	40 CFR Part 60, Subpart K	Commenced construction/modification after 05/19/1978.
T-412	N/A	40 CFR Part 60, Subpart Ka	Commenced construction/modification after 07/23/1984.
T-412	N/A	40 CFR Part 60, Subpart Kb	Does not apply to storage vessels with a capacity >39,889.98 gallons storing a liquid with a maximum true vapor pressure < 0.5 psia.
T-412	N/A	40 CFR Part 63, Subpart BBBBBB	Storage tank does not store gasoline.
T-412	N/A	40 CFR Part 63, Subpart CCCCCC	Does not meet the definition of a gasoline dispensing facility. Does not dispense gasoline into the fuel tank of a motor vehicle engine, nonroad vehicle, or nonroad engine.
T-422	N/A	40 CFR Part 60, Subpart K	Commenced construction/modification after 05/19/1978.
T-422	N/A	40 CFR Part 60, Subpart Ka	Commenced construction/modification after 07/23/1984.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
T-422	N/A	40 CFR Part 63, Subpart BBBBBB	Storage tanks do not store gasoline.
T-422	N/A	40 CFR Part 63, Subpart CCCCCC	Does not meet the definition of a gasoline dispensing facility. Does not dispense gasoline into the fuel tank of a motor vehicle engine, nonroad vehicle, or nonroad engine.
T-433	N/A	40 CFR Part 60, Subpart K	Commenced modification after 05/19/1978.
T-433	N/A	40 CFR Part 60, Subpart Ka	Commenced modification after 07/23/1984.
T-433	N/A	40 CFR Part 63, Subpart BBBBBB	Does not meet the definition of a bulk gasoline plant or terminal. Does not receive gasoline by pipeline, ship or barge, or cargo tank.
T-433	N/A	40 CFR Part 63, Subpart CC	The site is not a major HAP source.
T-433	N/A	40 CFR Part 63, Subpart CCCCCC	Does not meet the definition of a gasoline dispensing facility. Does not dispense gasoline into the fuel tank of a motor vehicle engine, nonroad vehicle, or nonroad engine.
T-433	N/A	40 CFR Part 63, Subpart R	The site is not a major HAP source.
T-750	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tanks storing VOC with a true vapor pressure < 1.5 psia are exempt from the requirements of this division.
T-750	N/A	40 CFR Part 60, Subpart K	Commenced construction/modification after 05/19/1978.
T-750	N/A	40 CFR Part 60, Subpart Ka	Storage tank capacity is < 40,000 gallons.
T-750	N/A	40 CFR Part 60, Subpart Kb	Storage vessel has a capacity > 19,812.9 gallons but < 39,889.9 gallons and is storing a liquid with a true vapor pressure < 2.18 psia.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
T-750	N/A	40 CFR Part 63, Subpart BBBBBB	Storage tank does not store gasoline.
T-750	N/A	40 CFR Part 63, Subpart CCCCCC	Does not meet the definition of a gasoline dispensing facility. Does not dispense gasoline into the fuel tank of a motor vehicle engine, nonroad vehicle, or nonroad engine.
VCU-1	N/A	40 CFR Part 60, Subpart J	Fuel gas combustion device commenced construction/reconstruction/modification after May 15, 2007.

New Source Review Authorization References

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New Source Review Authorization References by Emission Unit 75

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 156641	Issuance Date: 05/02/2019
Authorization No.: 6113	Issuance Date: 06/28/2019
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.183	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.264	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.412	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.475	Version No./Date: 09/04/2000
Number: 106.476	Version No./Date: 09/04/2000
Number: 106.478	Version No./Date: 09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
100TK10	100 TANK 10	106.472/09/04/2000
100-TK-11	T-100-TK-11 SLOP TANK	106.261/11/01/2003
900-B-4	STEAM BOILER	6113
900-V-20	OWS 900-V-20	6113
API SEP	API SEPARATOR	6113
CT2 AGG	CT2 AGGREGATE FACILITY	6113
CT-2	COOLING TOWER	106.371/09/04/2000
DESALTULSD	DESALT-ULSD AGGREGATE FACILITY	6113
F-11	REFORMER FURNACE	6113
F-12	REFORMER FURNACE	6113
F-13	REFORMER FURNACE	6113
F31	HYDROTREATER FURNACE	6113
FDP	FIRE DIESEL PUMP	6113
FL-1	FLARE	6113
FL-2	FLARE	6113
FUG-1	FUGITIVES (NSPS GGGA)	6113, 106.261/11/01/2003, 106.263/11/01/2001, 106.371/09/04/2000, 106.412/09/04/2000, 106.472/09/04/2000, 106.473/09/04/2000, 106.475/09/04/2000, 106.476/09/04/2000, 106.478/09/04/2000
H-301	MAIN SOLVENTS HEATER (AKA AAU)	6113
H-302	SOLVENT HEATER 302	6113

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
H-501	CRUDE HEATER	6113
H-502	AUXILIARY CRUDE HEATER	6113
L-2	TRUCK LOADING	6113
L-3	TRUCK LOADING	6113
L-4	LPG LOADING RACK	6113
REF96RL200	4OIL-TK-WSH-LPG-T96/97-REF AREA-RL LDG RK 200 TK A	6113
RL-1	RAILCAR LOADING	6113
T-095	TANK 095	106.472/09/04/2000
T-096	TANK 096	6113, 106.472/09/04/2000
T-097	TANK 097	6113, 106.472/09/04/2000
T1000DSLA	TANK 1000 DIESEL A	106.412/09/04/2000
T1000DSLB	TANK 1000 DIESEL B	106.412/09/04/2000
T-113	TANK 113	6113
T-122	TANK 122	6113
T-124	TANK 124	6113
T-125	TANK 125	6113
T-126	TANK 126	6113
T-214	TANK 214	6113
T-215	TANK 215	6113
T-216	TANK 216	6113
T-217	TANK 217	6113

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
T-218	TANK 218	6113
T-219	TANK 219	6113
T-220	TANK 220	6113
T-303S	TANK 303 SOLVENT	6113
T-304S	TANK 304 SOLVENT	6113
T-305S	TANK 305 SOLVENT	6113
T-306S	TANK 306 SOLVENT	6113
T-307S	TANK 307 SOLVENT	6113
T-308S	TANK 308 SOLVENT	6113
T-311S	TANK 311 SOLVENT	6113
T-314S	TANK 314 SOLVENT	6113
T-316S	TANK 316 SOLVENT	6113
T-318S	TANK 318 SOLVENT	6113
T-319S	TANK 319 SOLVENT	6113
T-321	TANK 321	6113
T-332S	TANK 332 SOLVENT	6113
T-333S	TANK 333 SOLVENT	6113
T-334S	TANK 334 SOLVENT	6113
T-334	TANK 334 SLOP	6113
T-335S	TANK 335 SOLVENT	6113
T-336S	TANK 336 SOLVENT	6113

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
T-337S	TANK 337 SOLVENT	6113
T-338S	TANK 338 SOLVENT	6113
T-401	TANK 401	6113
T-404	TANK 404	6113, 106.264/09/04/2000
T-406S	TANK 406S	156641, 6113
T-408S	TANK 407	6113
T-409	TANK 409	6113
T-410	TANK 410	6113
T-411	TANK 411	6113
T-412	TANK 412	6113, 106.472/09/04/2000
T-422	TANK 422	6113
T-424	TANK 424	6113
T-425	TANK 425	6113
T-427	TANK 427	6113
T-428	TANK 428	6113, 106.261/11/01/2003
T-429	TANK 429	6113, 106.472/09/04/2000
T-430	TANK 430	6113, 106.472/09/04/2000
T-431	TANK 431	6113, 106.472/09/04/2000
T-432	TANK 432	6113, 106.472/09/04/2000
T-433	TANK 433	6113
T-434	TANK 434	6113, 106.472/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
T-435	TANK 435	106.412/09/04/2000
T500DSL	TANK 500 DIESEL	106.412/09/04/2000
T-750	TANK 750	6113
T-900-1	TANK 900-1	6113
T-900-2	TANK 900-2	6113
T-900-3	TANK 900-3	6113
T-900TK02	900 TANK 02	6113
T-900TK03	900 TANK 03	6113
VCU-1	VAPOR COMBUSTOR	6113

Schedules

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Compliance Schedule

A. Compliance Schedule

1. Specific Non-Compliance Situation

Unit/Group/ Process ID. No(s).	SOP Index No.	Pollutant	Applicable Requirement	
			Citation	Text Description
API-1	60QQQ-01	VOC	60.693-2(a)(3)-(4)	The API roof has access doors or openings, such doors or openings shall be gasketed, latched, and kept closed at all times during operation of the separator system, except during inspection and maintenance. Roof seals, access doors, and other openings shall be checked by visual inspection initially and semiannually thereafter to ensure that no cracks or gaps occur between the roof and wall and that access doors and other openings are closed and gasketed properly.

2. Compliance Status Assessment Method and Records Location

Compliance Status Assessment Method		Location of Records/Documentation
Citation	Text Description	
		Environmental Office

3. Non-compliance Situation Description

Individual drain systems from the truck rack and ULSD (Reformer) Area were modified after 05/04/87; therefore, the API which receives wastewater from these individual drain systems is potentially subject to QQQ, even though the API separator was constructed prior to 05/04/87; since the API has flowrate <250 gpm, a control is not required, however, gaskets are required for all openings, currently the API separator does not have gaskets installed on all access doors/openings.

4. Corrective Action Plan Description

The permit holder will ensure that the API separator is in compliance with NSPS QQQ.

5. List of Activities/Milestones to Implement the Corrective Action Plan

1	Conduct Evaluation to determine if the installation of the NSPS QQQ required gasketed seal installation on access covers/openings of API will necessitate additional control installation (i.e. carbon canister) on the API separator, in order to maintain maximized operational safety in conjunction with gasket installation. Evaluation to be completed within 120 days (August 30, 2014).
2	If Evaluation determination in Activity 1 above results in recommendation of installation of gaskets without replacement of API separator to meet NSPS QQQ, then seek authorization (if applicable) within 180 days from completion of Activity 1 and subsequently install the seals (and additional pollution controls if applicable) and develop and implement an inspection plan for the separator system.
3	If Evaluation determination in Activity 1 above recommends replacement/modification of existing API separator in order to meet NSPS QQQ and maximize safe refinery operation, then seek authorization for an updated API separator system within 180 days from the completion of Activity 1.
4	Construct the updated API separator system (if applicable) and develop an inspection plan for the separator system.
5	Implement the inspection plan when construction is complete.

6. Previously Submitted Compliance Plan(s)	Type of Action	Date Submitted
	N/A	

7. Progress Report Submission Schedule	Every six months, after issuance of the permit, in conjunction with deviation report.

Compliance Schedule

A. Compliance Schedule

1. Specific Non-Compliance Situation

Unit/Group/ Process ID. No(s).	SOP Index No.	Pollutant	Applicable Requirement	
			Citation	Text Description
ULSD Area Sump Drains, Truck Loading Rack Sump Drain	NA	VOC	60.692-2(a)(1)-(2)	The individual drains that are subject to NSPS QQQ shall be equipped with water seal controls and shall be checked by visual or physical inspection initially and monthly thereafter for indications of low water level or other conditions that would reduce the effectiveness of water seal controls.

2. Compliance Status Assessment Method and Records Location

Compliance Status Assessment Method		Location of Records/Documentation
Citation	Text Description	
		Environmental Office

3. Non-compliance Situation Description

Individual drain systems from the truck loading rack area and ULSD Area were physically modified after 05/04/87; therefore, wastewater from these individual drain systems is subject to QQQ. Existence of a p-leg trap for these drains is uncertain; therefore, effective water seal may not be in place aside from operational verification of sump level during sump pump operation combined with existence of drain line check valves downstream of respective sump pump.

4. Corrective Action Plan Description

The permit holder will ensure that the individual drains are in compliance with NSPS QQQ.

5. List of Activities/Milestones to Implement the Corrective Action Plan

1	Conduct Evaluation to determine if the individual drain systems subject to QQQ have proper water seal controls installed. Evaluation to be completed within 120 days (August 30, 2014).
2	If Evaluation determination in Activity 1 above results in recommendation of installation of water seal controls or modification to existing individual drain(s), then seek authorization (if applicable) for installation of water seal controls on applicable individual drain(s) within 180 days from completion of Activity 1 and subsequently install the water seal controls (if applicable) and develop and implement an inspection plan for the individual drain(s).
3	If Evaluation determination in Activity 1 above recommends replacement/modification of existing individual drain system(s) or the API separator system in order to meet NSPS QQQ and maximize safe refinery operation, then seek authorization (if applicable) within 180 days from completion of Activity 1 for the associated updated individual drain system(s) in conjunction with the API system operation.
4	Construct the updated individual drain systems (if applicable) and API separator system (if applicable) and develop an inspection plan for the individual drain system and any other affected separator system.
5	Implement the inspection plan when construction is complete.

6. Previously Submitted Compliance Plan(s)	Type of Action	Date Submitted
	N/A	

7. Progress Report Submission Schedule	Every six months, after issuance of the permit, in conjunction with deviation report.

Compliance Schedule

A. Compliance Schedule

1. Specific Non-Compliance Situation

Unit/Group/ Process ID. No(s).	SOP Index No.	Pollutant	Applicable Requirement	
			Citation	Text Description
Aggregate Facility, Refinery Waste Water System	NA	VOC	60.692-1 to 60.692-5	Refinery shall comply with provisions of NSPS QQQ requirements associated with the Aggregate Facility (which, as applicable, includes the individual drain system together with ancillary downstream sewer lines and oil-water separator(s), down to and including the secondary oil-water separator).

2. Compliance Status Assessment Method and Records Location

Compliance Status Assessment Method		Location of Records/Documentation
Citation	Text Description	
		Environmental Office

3. Non-compliance Situation Description

Since some individual drain systems from the truck loading rack area and ULSD Area were physically modified after 05/04/87, they are subject to QQQ; Additionally the API separator is potentially subject to QQQ because of the individual drain system's QQQ applicability status; therefore, the Aggregate Facility may be found non-compliant with provisions of NSPS QQQ if either the individual drain systems or the API separator is determined to be QQQ non-compliant in evaluation of individual drain systems and API separator with QQQ requirements.

4. Corrective Action Plan Description

The permit holder will ensure that Aggregate Facility (Refinery Waste Water System) is in compliance with NSPS QQQ.

5. List of Activities/Milestones to Implement the Corrective Action Plan

1	Conduct Evaluation to determine if the Aggregate Facility (Refinery Waste Water System) is subject to QQQ. Evaluation to be completed within 150 days (September 29, 2014).
2	If Evaluation determination in Activity 1 above results in recommendation of installation of additional controls or modification to existing Aggregate Facility sub-systems, then seek authorization (if applicable) within 180 days from completion of Activity 1 for the associated updated to bring various Aggregate Facility sub-systems into compliance with QQQ (if applicable).
3	Construct the updates to Aggregate Facility sub-systems (if applicable) and develop an inspection plan for any affected Aggregate Facility sub-system.
4	Implement the inspection plan when construction is complete.

6. Previously Submitted Compliance Plan(s)	Type of Action	Date Submitted
	N/A	

7. Progress Report Submission Schedule	Every six months, after issuance of the permit, in conjunction with deviation report.

Compliance Schedule

A. Compliance Schedule

1. Specific Non-Compliance Situation

Unit/Group/ Process ID. No(s).	SOP Index No.	Pollutant	Applicable Requirement	
			Citation	Text Description
Fuel gas combustion devices (EPNs: FL-1, FL-2)	60-Ja-02, 60-Ja	H2S	60.107a	The owner or operator of a fuel gas combustion device that elects to comply with the H2S concentration limits in 60.102a(g)(1)(ii) or a flare that is subject to the H2S concentration requirement in 60.103a(h) shall install, operate, calibrate and maintain an instrument for continuously monitoring and recording the concentration by volume (dry basis) of H2S in the fuel gases before being burned in any fuel gas combustion device or flare and shall meet additional requirements outlined in 60.107a as applicable.

2. Compliance Status Assessment Method and Records Location

Compliance Status Assessment Method		Location of Records/Documentation
Citation	Text Description	
		Environmental Office

3. Non-compliance Situation Description

The fuel gas header system is currently monitored constantly for H2S concentration; however, it is uncertain whether the NSPS required Performance Specifications, span values and quality assurance procedures identified in 60.107a(a)(2)(i) to (vi) are properly implemented.

4. Corrective Action Plan Description

Conduct an evaluation of the performance test, span values and quality assurance program to determine whether in compliance with NSPS Ja; additionally, obtain fuel gas samples to evaluate whether the fuel gas header is considered inherently low in sulfur content.

5. List of Activities/Milestones to Implement the Corrective Action Plan

1	Conduct an evaluation of the fuel gas H2S monitoring system for compliance with NSPS Ja as required by 60.107a(a)(2)(i) to (vi) within 120 days (August 30, 2014); additionally, evaluate whether the fuel gas is considered inherently low in sulfur content (<30ppmv sulfur), per §60.107a(b), within 120 days (August 30, 2014);
2	If Evaluation determination in Activity 1 above results in recommendation of changes to the existing H2S monitoring in conjunction with requirements outlined in 60.107a(a)(2)(i) to (vi), then seek authorization (if applicable) to initiate changes as required, OR
3	If Evaluation determination in Activity 1 above results in assessment of fuel gas stream containing inherently low sulfur content, then prepare and submit exemption from H2S monitoring requirements for low-sulfur fuel gas streams in accordance with §60.107a(b) within 90 days of completion of evaluation of fuel gas stream being considered inherently low in sulfur content.
4	If fuel gas stream is not considered inherently low in sulfur content, then seek authorization (if applicable) to initiate changes necessary to implement performance test, span value verification and quality assurance program in accordance with 60.107a(a)(2)(i) to (vi) within 210 days (November 28, 2014) OR initiate changes necessary to implement measures to reduce the fuel gas stream to become inherently low in sulfur content within 210 days (November 28, 2014).
5	Operate in compliance with 60.107a(a)(2)(i) to (vi) once changes have been fully implemented unless considered exempt following approval of submittal of H2S exemption for inherently low sulfur content in fuel gas stream (if applicable).

6. Previously Submitted Compliance Plan(s)	Type of Action	Date Submitted
	N/A	

7. Progress Report Submission Schedule	Every six months, after issuance of the permit.

Compliance Schedule

A. Compliance Schedule

1. Specific Non-Compliance Situation

Unit/Group/ Process ID. No(s).	SOP Index No.	Pollutant	Applicable Requirement	
			Citation	Text Description
Fuel gas combustion devices (EPNs: H501, H502, F-11, F-12, F-13, F-31, 900-B-4, AAU)	60J-01	H2S	60.104(a)(1), 60.104(a)(4)	The owner or operator of a fuel gas combustion device that elects to comply with the H2S concentration limits in 60.104(a)(1) shall install, operate, calibrate and maintain an instrument for continuously monitoring in accordance with performance specifications, span values, samples and relative accuracy evaluations as identified in 60.105(a)(3) or 60.105(a)(4).

2. Compliance Status Assessment Method and Records Location

Compliance Status Assessment Method		Location of Records/Documentation
Citation	Text Description	
		Environmental Office

3. Non-compliance Situation Description

The fuel gas header system is currently monitored for H2S concentration; however, it is uncertain whether the NSPS required performance specifications, span values, samples and relative accuracy evaluations identified in §60.105(a)(3) or §60.105(a)(4) are properly implemented.

4. Corrective Action Plan Description

Conduct an evaluation of the performance test, span values, samples and relative accuracy evaluations to determine whether in compliance with NSPS J; additionally, obtain fuel gas samples to evaluate whether the fuel gas stream is considered inherently low in sulfur content.

5. List of Activities/Milestones to Implement the Corrective Action Plan

1	Conduct an evaluation of the fuel gas H2S monitoring system for compliance with NSPS J as required by §60.105(a)(3) or §60.105(a)(4) within 120 days (August 30, 2014); Additionally, evaluate whether the fuel gas stream is considered inherently low in sulfur content (<30ppmv sulfur) within 120 days (August 30, 2014).
2	If Evaluation determination in Activity 1 above results in recommendation of changes to the existing H2S monitoring in conjunction with requirements outlined in §60.105(a)(3) or §60.105(a)(4), then initiate changes as required, OR
3	If Evaluation determination in Activity 1 above results in assessment of fuel gas stream containing inherently low sulfur content, then prepare and submit exemption from H2S monitoring requirements for low-sulfur fuel gas streams in accordance with §60.105(b)(4) within 90 days of completion of evaluation of fuel gas stream being considered inherently low in sulfur content.
4	If fuel gas stream is not considered inherently low in sulfur content, then seek authorization (if applicable) to initiate changes necessary to implement performance test, span value verification, samples and relative accuracy evaluations in accordance with §60.105(a)(3) or §60.105(a)(4) within 180 days (October 29, 2014) OR seek authorization (if applicable) to initiate changes necessary to implement measures to reduce the fuel gas stream to become inherently low in sulfur content within 210 d
5	Operate in compliance with §60.105(a)(3) or §60.105(a)(4) once changes have been fully implemented unless considered exempt following approval of submittal of H2S exemption for inherently low sulfur content in fuel gas stream (if applicable).

6. Previously Submitted Compliance Plan(s)	Type of Action	Date Submitted
	N/A	

7. Progress Report Submission Schedule	Every six months, after issuance of the permit.

Compliance Schedule

A. Compliance Schedule

1. Specific Non-Compliance Situation

Unit/Group/ Process ID. No(s).	SOP Index No.	Pollutant	Applicable Requirement	
			Citation	Text Description
Fuel gas combustion devices (EPNs: 900-B-4, H501, H502)	60J-01	H2S	60.100a(b)-(c), 60.104a, 60.14	The provisions of 60.100a(b) apply to fuel gas combustion devices (including process heaters),which commence construction, modification or reconstruction after May 14, 2007. For all affected facilities other than flares, the provisions in 60.14 regarding modification apply.

2. Compliance Status Assessment Method and Records Location

Compliance Status Assessment Method		Location of Records/Documentation
Citation	Text Description	
		Environmental Office

3. Non-compliance Situation Description

Since the heaters H501 and H502 have had LoNOx burners installed after 2007, the heaters need to be further evaluated to ensure not subject to Ja; Additionally, Boiler 900-B-4 construction was authorized by NSR amendment prior to May 17, 2007, but the actual commencement of construction needs to be further verified to ensure not subject to Ja

4. Corrective Action Plan Description

Conduct further evaluation to determine whether heaters and boiler are subject to NSPS Ja.-

5. List of Activities/Milestones to Implement the Corrective Action Plan

1	Conduct an evaluation of the heaters and boiler for applicability with NSPS Ja as required by §60.100a within 120 days (August 30, 2014).
2	If Evaluation determination in Activity 1 above results in recommendation of heaters or boiler being considered subject to NSPS Ja, then initiate proposed compliance plan within 90 days of determination that Ja is applicable, as specified in Activities 3 to 7 below:
3	Conduct an evaluation of the fuel gas H2S monitoring system for compliance with NSPS Ja as required by 60.107a(a)(2)(i) to (vi) within 120 days of determination that Ja is applicable; additionally, evaluate whether the fuel gas is considered inherently low in sulfur content (<30ppmv sulfur), per §60.107a(b), within 120 days of determination that Ja is applicable;
4	If Evaluation determination in Activity 1 above results in recommendation of changes to the existing H2S monitoring in conjunction with requirements outlined in 60.107a(a)(2)(i) to (vi), then seek authorization (if applicable) to initiate changes as required, OR
5	If Evaluation determination in Activity 1 above results in assessment of fuel gas stream containing inherently low sulfur content, then prepare and submit exemption from H2S monitoring requirements for low-sulfur fuel gas streams in accordance with §60.107a(b) within 90 days of completion of evaluation of fuel gas stream being (in Activity 3 above) considered inherently low in sulfur content.
6	If fuel gas stream is not considered inherently low in sulfur content, then seek authorization (if applicable) to initiate changes necessary to implement performance test, span value verification and quality assurance program in accordance with 60.107a(a)(2)(i) to (vi) within 210 days of determination that Ja is applicable OR initiate changes necessary to implement measures to reduce the fuel gas stream to become inherently low in sulfur content within 210 days of determination that Ja is applicable.
7	Operate in compliance with 60.107a(a)(2)(i) to (vi) once changes have been fully implemented unless considered exempt following approval of submittal of H2S exemption for inherently low sulfur content in fuel gas stream (if applicable).
8	Additionally, if H501, H502 or Boiler 900-B-4 is determined to be subject to NSPS Ja, initiate any additional emissions testing that is required by the Administrator within 120 days of completion of Activity 1.
9	Upon completion of any additional emission testing (if applicable), if the results are not within specification of NSPS Ja, then seek authorization (if applicable) to initiate steps to remedy the non-compliance within 180 days of completion of emissions testing.
10	Additionally, if Boiler 900-B-4 is determined to be subject to NSPS Ja, seek authorization to establish federally

Compliance Schedule

A. Compliance Schedule			
	enforceable limits such that firing rate < 40MMBTU/hr.		
6. Previously Submitted Compliance Plan(s)		Type of Action	Date Submitted
		N/A	
7. Progress Report Submission Schedule		Every six months, after issuance of the permit.	

Compliance Schedule

A. Compliance Schedule

1. Specific Non-Compliance Situation

Unit/Group/ Process ID. No(s).	SOP Index No.	Pollutant	Applicable Requirement	
			Citation	Text Description
FDP	60IIII-01	NOX	60.4211(e)(2)	Conduct further evaluation to determine whether Fire Diesel Pump (FDP) Engine is subject to NSPS IIII, with potential follow on action including conducting a performance test to demonstrate initial compliance with the emission standards according to the requirements specified in 60.4212 or 60.4213, as appropriate. If applicable, the test must be conducted within 60 days after the engine commences operation after future modification or reconstruction.

2. Compliance Status Assessment Method and Records Location

Compliance Status Assessment Method		Location of Records/Documentation
Citation	Text Description	
		Environmental Office

3. Non-compliance Situation Description

Per the engine remanufacture vendor, the engine (EPN: FDP) was remanufactured in 2010 as a Clark fire pump engine and was originally built to meet the Tier 1 levels for NO_X (pre-2007); it is unclear whether the fire diesel pump can be considered certified as meeting the tier 1 levels; if considered non-certified, then the fire diesel pump may be considered non-compliant until respective performance test is satisfactorily conducted on the fire diesel pump engine in order to meet the certified Tier 1 emission rates.

4. Corrective Action Plan Description

Conduct further NSPS IIII applicability evaluation on fire diesel pump engine to determine whether FDP is subject to NSPS IIII then conduct a performance test as required by 60.4212(a) on the fire diesel pump engine.

5. List of Activities/Milestones to Implement the Corrective Action Plan

1	Conduct a performance test on the engine as required by 60.4212(a) OR seek authorization to initiate modification/replacement of engine with NSPS IIII compliant engine, within 90 days (July 31, 2014).
2	Notify TCEQ at least 30 days before the performance test is conducted, if applicable.
3	If the fire diesel pump engine does not pass the performance test (if applicable), seek authorization to modify existing engine with a control device or replace with engine that meet NSPS IIII emissions criteria, within 90 days of completion of Activity 1.
4	Retest FDP emissions within 60 days of completion of installation of control device (if applicable) of Activity 3.

6. Previously Submitted Compliance Plan(s)	Type of Action	Date Submitted
	N/A	

7. Progress Report Submission Schedule	Every six months, after issuance of the permit.

Alternative Requirement

Alternative Requirement..... 90

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS TX 75202-2733

MAY 21 2015

Mr. Mike Milam
Vice President
Calumet San Antonio Refining
1 BDA Crossing
Suite 100
Brooks City Base, Texas 78235

RE: Alternative Monitoring Plan (AMP) for Flare Emissions Monitoring at the Truck Rack Loading Flare (EPN: FL-1) Subject to New Source Performance Standards (NSPS) for Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007 (Subpart Ja), located at Calumet's San Antonio Refinery.

Dear Mr. Milam:

This letter is in response to your AMP dated March 31, 2015, pertaining to flare emissions monitoring required under the NSPS Subpart Ja for the Truck Rack Loading Flare (EPN: FL-1) at Calumet's San Antonio Refinery (Calumet) due to sufficient alternative methods of converting pollutant concentration measurements to units of the standard §60.13(i)(5), and the expense of installing flow monitoring devices on equipment that handles materials that are low in sulfur §(60.107a(a)(3)(ii) to begin with (inherently low in sulfur). The US Environmental Protection Agency (EPA) conditionally approves your request as outlined below.

Specifically, the Truck Rack Loading Flare (EPN: FL-1) is subject to New Source Performance Standards outlined in 40 CFR §60.100a(c)(1) & (2) because of modifications to the flare since June 24, 2008, which require the facility to comply with 40 CFR 60 Subpart Ja, specifically §60.103a(c)(1)(i-ii).

Since Calumet's FL-1 flare is subject to NSPS Ja, it is subject to the requirements of §60.103a(c)(1)(ii) which states the requirement for calculation of the root cause analysis (RCA) threshold for vent gas flow to the affected flare of 500,000 standard cubic feet (scf) above the established baseline in any 24-hour period, with flow monitoring requirements listed in §60.107a(f). These requirements must be met in order to ensure that the RCA threshold for flow to the flare is not exceeded.

In lieu of the flare flow monitoring described in §60.107a(f), which would necessitate the installation of a flow meter at significant cost and disruption to loading activities, Calumet is requesting an Alternative Monitoring Plan (AMP) to determine the flow to the FL-1 flare using engineering calculations to make conservative estimates for the amount of vent gas that is sent to the FL-1 Truck Rack flare during any loading event, and considered routine, or baseline, flows to the flare. Since the number of sources to the FL-1 flare are limited and well defined, Calumet believes that a flow meter is not necessary to quantify the amount of vent gases being sent to the flare. As long as additional sources are not added to the flare that do not represent normal, routine flows, all loading emissions would be considered part of the baseline and there is no means for the flow rate to the flare to exceed the RCA threshold, estimated at 716,250 scf per day.

Additionally, Calumet claims that the fuel gas being combusted in the FL-1 flare on a routine basis meets the exemption requirement listed in §60.107a(a)(4)(i) because all streams that vent to the flare are inherently low in sulfur content, i.e. a sulfur content of 30 PPMV or less per §60.107a(a)(3)(ii).

Upon review of the information submitted by Calumet, EPA approves, with some conditions, Calumet's AMP since the proposal is at least as protective of human health and the environment. EPA understands that Calumet intends to use engineering calculations to determine flow, and that analysis of streams vented to the FL-1 Truck Rack Loading Flare shows them to be inherently low in sulfur. However, in order to provide for proof of continued compliance and adherence to the factual representations made in the AMP request, Calumet must submit an annual certification by an authorized official, in writing, under penalty of law, that:

- Calumet is meeting all the work practice and monitoring requirements as set forth in this AMP approval, and as described in the Calumet document entitled Standard Operating Procedure for Sulfur Monitoring on Diesel, Gasoline and Jet Fuel Products,

- specifically states that no additional flows have been routed to the FL-1 Truck Rack Loading Flare, and,

- specifically states that no gases have been flared in the FL-1 Truck Rack Loading Flare containing sulfur in amounts greater than 30 ppmv at any time during the past year.

The first certification shall be provided within 30 days of November 11, 2016, the one year anniversary of the compliance requirement date. Contingent upon the receipt of these required Certifications, and based upon our evaluation of the information presented to date, EPA hereby approves Calumet's AMP for the FL-1 Truck Rack Loading Flare.

If the facility's specific operations change, or if new information becomes available such that representations made related to this AMP are no longer valid, this approval may be void and a new request must be submitted. If you have any questions about this determination, please contact Mr. David Eppler of my staff at (214) 665-6529.

Sincerely yours,

for Steve Thompson,
Associate Director
Air Toxics and Inspection Coordination Branch

cc: TCEQ

Appendix A

Acronym List 93

Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
CEMS ..... continuous emissions monitoring system
CFR ..... Code of Federal Regulations
COMS ..... continuous opacity monitoring system
CVS ..... closed vent system
D/FW ..... Dallas/Fort Worth (nonattainment area)
EP ..... emission point
EPA ..... U.S. Environmental Protection Agency
EU ..... emission unit
FCAA Amendments ..... Federal Clean Air Act Amendments
FOP ..... federal operating permit
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MACT ..... Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr ..... Million British thermal units per hour
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NESHAP ..... National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
NO_x ..... nitrogen oxides
NSPS ..... New Source Performance Standard (40 CFR Part 60)
NSR ..... New Source Review
ORIS ..... Office of Regulatory Information Systems
Pb ..... lead
PBR ..... Permit By Rule
PEMS ..... predictive emissions monitoring system
PM ..... particulate matter
ppmv ..... parts per million by volume
PRO ..... process unit
PSD ..... prevention of significant deterioration
psia ..... pounds per square inch absolute
SIP ..... state implementation plan
SO_2 ..... sulfur dioxide
TCEQ ..... Texas Commission on Environmental Quality
TSP ..... total suspended particulate
TVP ..... true vapor pressure
U.S.C. ..... United States Code
VOC ..... volatile organic compound